

Focus Area 16: Maternal, Infant, and Child Health

Objective 16-11b targets a reduction in preterm births between 32 and 36 completed weeks gestation to a rate of 6.4 per 100 live births (6.4 percent).

A total of 27,107 preterm live births between 32-36 weeks gestation were reported in 2000 at a rate of 5.1 percent based on data extracted from the Birth Statistical Master Files (Figure 16-11b, Table 16-11b). A total of 30,496 preterm births between 32-36 weeks gestation were reported in 2005 at a rate of 5.6 percent, a statistically significant increase. California's overall preterm birth rates for this gestational age were significantly lower than the HP2010 target of 6.4 percent, and the HP2010 objective is being achieved. Given the statistically significant increase in the preterm birth rates between 2000 and 2005, linear projections indicate that the rate would be approaching 6.0 percent by the year 2010 if the past trend continues.

Data by race-ethnicity show that the highest preterm (32-36 weeks gestation) birth rates were found for African Americans/Blacks (7.8 percent in 2005). The next highest preterm birth rates were found for American Indians/Alaska Natives (6.2 percent in 2005) and for Native Hawaiians/Other Pacific Islanders (6.0 percent in 2005). Statistically significant increases in rates between 2000 and 2005 were found for Whites and for Hispanics/Latinos. The HP2010 objective is being achieved for all racial and ethnic groups except African Americans/Blacks as of 2005.

Examined by age of the mother, preterm (32-36 weeks gestation) birth rates were highest for those under 15 years (8.2 percent in 2005). Trends in preterm birth rates women aged 30-34 and for those 35 years and older were significantly increasing. The HP2010 objective of 6.4 percent is being achieved for all maternal age groups except those under 15 and those 35 and older as of 2005.

Preterm birth rates (32-36 weeks gestation) for male infants were significantly higher than rates for female infants in each year during 2000-2005, and the HP2010 objective is being achieved for both male and female infants.

For more information on preterm births in California, visit the Maternal and Child Health Branch Web site at:

<http://www.mch.dhs.ca.gov/>

For more information on Healthy People 2010 objective 16-11b please visit:

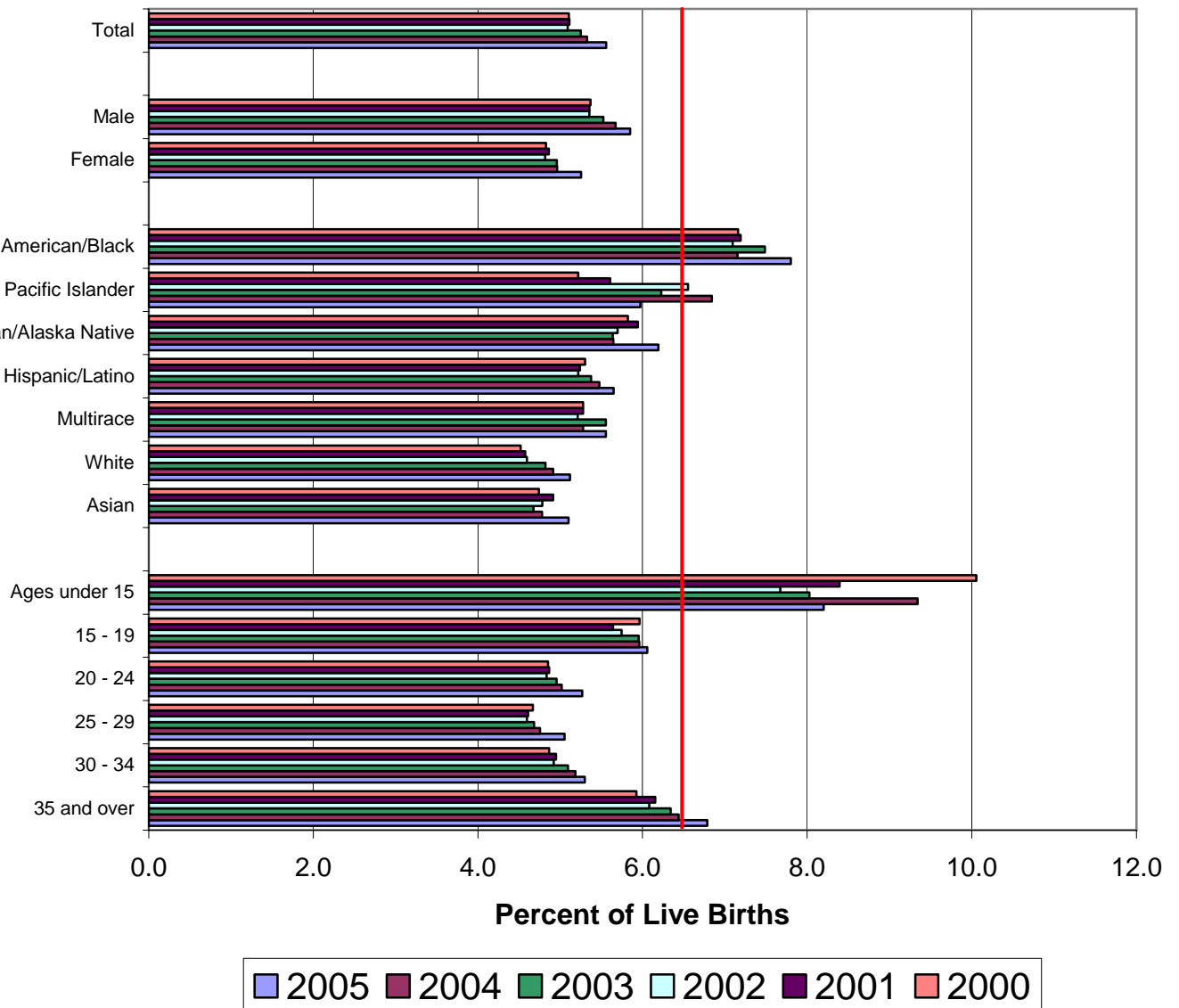
http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#_Toc494699661

and

<http://www.healthypeople.gov/Document/html/tracking/od16.htm#riskfactors>

Figure 16-11b
Preterm Births (32-36 Completed Weeks Gestation)
California, 2000-2005

Healthy People 2010 objective = 6.4



**Table 16-11b: Preterm Births - 32 to 36 Completed Weeks Gestation
California, 2000-2005**

| HP2010 Objective 16-11b | 2000 | | | | | 2001 | | | | |
|-----------------------------------|-----------------------------|--------------------------|-------------------|-------------------------|-------------------------|-----------------------------|--------------------------|-------------------|-------------------------|-------------------------|
| | Preterm Births ¹ | Live Births ² | Rate ³ | Lower C.I. ⁴ | Upper C.I. ⁴ | Preterm Births ¹ | Live Births ² | Rate ³ | Lower C.I. ⁴ | Upper C.I. ⁴ |
| Healthy People 2010 Target | 6.4 | | | | | 6.4 | | | | |
| Statewide Total | 27,107 | 531,285 | 5.1 | 5.0 | 5.2 | 26,960 | 527,371 | 5.1 | 5.1 | 5.2 |
| Race-Ethnicity of Mother | | | | | | | | | | |
| African American/Black | 2,313 | 32,302 | 7.2 | 6.9 | 7.4 | 2,227 | 30,965 | 7.2 | 6.9 | 7.5 |
| American Indian/Alaska Native | 115 | 1,975 | 5.8 | 4.8 | 6.9 | 118 | 1,986 | 5.9 | 4.9 | 7.0 |
| Asian | 2,791 | 58,876 | 4.7 | 4.6 | 4.9 | 2,822 | 57,443 | 4.9 | 4.7 | 5.1 |
| Hawaiian/Other Pacific Islander | 124 | 2,376 | 5.2 | 4.3 | 6.1 | 132 | 2,355 | 5.6 | 4.7 | 6.5 |
| Hispanic/Latino | 13,677 | 257,958 | 5.3 | 5.2 | 5.4 | 13,671 | 260,996 | 5.2 | 5.2 | 5.3 |
| White | 7,599 | 168,233 | 4.5 | 4.4 | 4.6 | 7,490 | 163,777 | 4.6 | 4.5 | 4.7 |
| Multirace | 330 | 6,254 | 5.3 | 4.7 | 5.8 | 337 | 6,388 | 5.3 | 4.7 | 5.8 |
| Maternal Age Group | | | | | | | | | | |
| Under 15 | 90 | 895 | 10.1 | 8.1 | 12.0 | 68 | 810 | 8.4 | 6.5 | 10.3 |
| 15 - 19 | 3,303 | 55,373 | 6.0 | 5.8 | 6.2 | 2,988 | 52,966 | 5.6 | 5.4 | 5.8 |
| 20 - 24 | 5,945 | 122,591 | 4.8 | 4.7 | 5.0 | 5,996 | 123,227 | 4.9 | 4.7 | 5.0 |
| 25 - 29 | 6,514 | 139,615 | 4.7 | 4.6 | 4.8 | 6,286 | 136,439 | 4.6 | 4.5 | 4.7 |
| 30 - 34 | 6,201 | 127,502 | 4.9 | 4.7 | 5.0 | 6,331 | 127,946 | 4.9 | 4.8 | 5.1 |
| 35 and over | 5,054 | 85,309 | 5.9 | 5.8 | 6.1 | 5,291 | 85,983 | 6.2 | 6.0 | 6.3 |
| Sex of Child | | | | | | | | | | |
| Female | 12,507 | 259,217 | 4.8 | 4.7 | 4.9 | 12,547 | 258,121 | 4.9 | 4.8 | 4.9 |
| Male | 14,599 | 272,061 | 5.4 | 5.3 | 5.5 | 14,411 | 269,237 | 5.4 | 5.3 | 5.4 |

SOURCE: California Department of Health Services, Center for Health Statistics, Birth Statistical Master Files, 2000-2001.

NOTES: ¹ Preterm births defined as live births between 32 to 36 completed weeks gestation (224-252 days); records with missing gestational age and with gestational ages of 118 days or less are excluded.

² Live births among California residents; excludes fetal deaths.

³ Rate per 100 live births (percent).

⁴ Ninety-five percent confidence interval (95% C.I.)

Table 16-11b: Preterm Births - 32 to 36 Completed Weeks Gestation, continued
California, 2000-2005

| HP2010 Objective 16-11b | 2002 | | | | | 2003 | | | | |
|-----------------------------------|-----------------------------|--------------------------|-------------------|-------------------------|-------------------------|-----------------------------|--------------------------|-------------------|-------------------------|-------------------------|
| | Preterm Births ¹ | Live Births ² | Rate ³ | Lower C.I. ⁴ | Upper C.I. ⁴ | Preterm Births ¹ | Live Births ² | Rate ³ | Lower C.I. ⁴ | Upper C.I. ⁴ |
| Healthy People 2010 Target | 6.4 | | | | | 6.4 | | | | |
| Statewide Total | 26,936 | 529,241 | 5.1 | 5.0 | 5.1 | 28,381 | 540,827 | 5.2 | 5.2 | 5.3 |
| Race-Ethnicity of Mother | | | | | | | | | | |
| African American/Black | 2,114 | 29,806 | 7.1 | 6.8 | 7.4 | 2,187 | 29,211 | 7.5 | 7.2 | 7.8 |
| American Indian/Alaska Native | 112 | 1,966 | 5.7 | 4.7 | 6.7 | 113 | 2,004 | 5.6 | 4.6 | 6.6 |
| Asian | 2,839 | 59,376 | 4.8 | 4.6 | 5.0 | 2,876 | 61,525 | 4.7 | 4.5 | 4.8 |
| Hawaiian/Other Pacific Islander | 158 | 2,411 | 6.6 | 5.6 | 7.5 | 150 | 2,409 | 6.2 | 5.3 | 7.2 |
| Hispanic/Latino | 13,729 | 263,022 | 5.2 | 5.1 | 5.3 | 14,490 | 269,691 | 5.4 | 5.3 | 5.5 |
| White | 7,416 | 161,470 | 4.6 | 4.5 | 4.7 | 7,850 | 162,920 | 4.8 | 4.7 | 4.9 |
| Multirace | 355 | 6,813 | 5.2 | 4.7 | 5.7 | 395 | 7,112 | 5.6 | 5.0 | 6.1 |
| Maternal Age Group | | | | | | | | | | |
| Under 15 | 57 | 743 | 7.7 | 5.8 | 9.6 | 57 | 710 | 8.0 | 6.0 | 10.0 |
| 15 - 19 | 2,884 | 50,200 | 5.7 | 5.5 | 5.9 | 2,936 | 49,330 | 6.0 | 5.7 | 6.2 |
| 20 - 24 | 5,947 | 123,056 | 4.8 | 4.7 | 5.0 | 6,134 | 123,815 | 5.0 | 4.8 | 5.1 |
| 25 - 29 | 6,303 | 137,236 | 4.6 | 4.5 | 4.7 | 6,580 | 140,556 | 4.7 | 4.6 | 4.8 |
| 30 - 34 | 6,414 | 130,367 | 4.9 | 4.8 | 5.0 | 6,864 | 134,809 | 5.1 | 5.0 | 5.2 |
| 35 and over | 5,331 | 87,639 | 6.1 | 5.9 | 6.2 | 5,810 | 91,607 | 6.3 | 6.2 | 6.5 |
| Sex of Child | | | | | | | | | | |
| Female | 12,463 | 258,855 | 4.8 | 4.7 | 4.9 | 13,088 | 263,882 | 5.0 | 4.9 | 5.0 |
| Male | 14,471 | 270,378 | 5.4 | 5.3 | 5.4 | 15,292 | 276,933 | 5.5 | 5.4 | 5.6 |

SOURCE: California Department of Health Services, Center for Health Statistics, Birth Statistical Master Files, 2002-2003.

NOTES: ¹ Preterm births defined as live births between 32 to 36 completed weeks gestation (224-252 days); records with missing gestational age and with gestational ages of 118 days or less are excluded.

² Live births among California residents; excludes fetal deaths.

³ Rate per 100 live births (percent).

⁴ Ninety-five percent confidence interval (95% C.I.)

Table 16-11b: Preterm Births - 32 to 36 Completed Weeks Gestation, continued
California, 2000-2005

| HP2010 Objective 16-11b | 2004 | | | | | 2005 | | | | | 2000-2005 Trend ⁵ |
|-----------------------------------|--------------------------------|-----------------------------|-------------------|----------------------------|----------------------------|--------------------------------|-----------------------------|-------------------|----------------------------|----------------------------|---------------------------------|
| | Preterm Births ¹ | Live Births ² | Rate ³ | Lower C.I. ⁴ | Upper C.I. ⁴ | Preterm Births ¹ | Live Births ² | Rate ³ | Lower C.I. ⁴ | Upper C.I. ⁴ | |
| Healthy People 2010 Target | 6.4 | | | | | 6.4 | | | | | |
| Statewide Total | 29,004 | 544,635 | 5.3 | 5.3 | 5.4 | 30,496 | 548,700 | 5.6 | 5.5 | 5.6 | Sig. + |
| Race-Ethnicity of Mother | | | | | | | | | | | |
| African American/Black | 2,051 | 28,679 | 7.2 | 6.8 | 7.5 | 2,243 | 28,756 | 7.8 | 7.5 | 8.1 | ns |
| American Indian/Alaska Native | 117 | 2,073 | 5.6 | 4.6 | 6.7 | 131 | 2,116 | 6.2 | 5.1 | 7.3 | ns |
| Asian | 2,968 | 62,122 | 4.8 | 4.6 | 4.9 | 3,149 | 61,735 | 5.1 | 4.9 | 5.3 | ns |
| Hawaiian/Other Pacific Islander | 174 | 2,543 | 6.8 | 5.8 | 7.9 | 151 | 2,528 | 6.0 | 5.0 | 6.9 | ns |
| Hispanic/Latino | 15,070 | 275,188 | 5.5 | 5.4 | 5.6 | 15,972 | 282,823 | 5.6 | 5.6 | 5.7 | Sig. + |
| White | 7,809 | 158,992 | 4.9 | 4.8 | 5.0 | 7,981 | 155,900 | 5.1 | 5.0 | 5.2 | Sig. + |
| Multirace | 378 | 7,162 | 5.3 | 4.7 | 5.8 | 410 | 7,382 | 5.6 | 5.0 | 6.1 | ns |
| Maternal Age Group | | | | | | | | | | | |
| Under 15 | 65 | 696 | 9.3 | 7.1 | 11.6 | 62 | 756 | 8.2 | 6.2 | 10.2 | ns |
| 15 - 19 | 2,964 | 49,737 | 6.0 | 5.7 | 6.2 | 3,030 | 50,017 | 6.1 | 5.8 | 6.3 | ns |
| 20 - 24 | 6,235 | 124,309 | 5.0 | 4.9 | 5.1 | 6,613 | 125,529 | 5.3 | 5.1 | 5.4 | ns |
| 25 - 29 | 6,731 | 141,608 | 4.8 | 4.6 | 4.9 | 7,248 | 143,446 | 5.1 | 4.9 | 5.2 | ns |
| 30 - 34 | 6,974 | 134,578 | 5.2 | 5.1 | 5.3 | 7,084 | 133,741 | 5.3 | 5.2 | 5.4 | Sig. + |
| 35 and over | 6,035 | 93,707 | 6.4 | 6.3 | 6.6 | 6,459 | 95,211 | 6.8 | 6.6 | 6.9 | Sig. + |
| Sex of Child | | | | | | | | | | | |
| Female | 13,216 | 266,371 | 5.0 | 4.9 | 5.0 | 14,080 | 268,110 | 5.3 | 5.2 | 5.3 | Sig. + |
| Male | 15,787 | 278,305 | 5.7 | 5.6 | 5.8 | 16,412 | 280,578 | 5.8 | 5.8 | 5.9 | Sig. + |

SOURCE: California Department of Health Services, Center for Health Statistics, Birth Statistical Master Files, 2004-2005.

NOTES: ¹ Preterm births defined as live births between 32 to 36 completed weeks gestation (224-252 days); records with missing gestational age and with gestational ages of 118 days or less are excluded.

² Live births among California residents; excludes fetal deaths.

³ Rate per 100 live births (percent).

⁴ Ninety-five percent confidence interval (95% C.I.)

⁵ Statistically significant increase (Sig. +); Not statistically significant (ns).